

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001438

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04L 1/18, H04L 12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04L, H04Q, H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02096044 A1 (TELEFONAKTIEBOLAGET L M ERICSSON (PUBL)), 28 November 2002 (28.11.2002), page 6, line 8 - page 7, line 7; page 11, line 8 - line 19 --	1-28
A	US 20030153323 A1 (HWANG, W), 14 August 2003 (14.08.2003), paragraphs [0004]-[0005] --	1-18
P,A	WO 2004057810 A2 (NOKIA CORPORATION), 8 July 2004 (08.07.2004), page 4, line 1 - page 5, line 16, abstract --	1-28

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

11 January 2005

Date of mailing of the international search report

13-01-2005

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Anders Edlund /LR
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001438

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	WO 03096617 A2 (INTERDIGITAL TECHNOLOGY CORP), 20 November 2003 (20.11.2003), paragraphs [0045]-[0048], abstract --	1-28
P,A	EP 1361689 A1 (SAMSUNG ELECTRONICSCO, LTD), 12 November 2003 (12.11.2003), figure 3, claims 1, 3, abstract -- -----	1-28

INTERNATIONAL SEARCH REPORT

Information on patent family members

27/11/2004

International application No.

PCT/SE 2004/001438

WO	02096044	A1	28/11/2002	AU	8281201	A	13/03/2002
				EP	1313387	A	28/05/2003
				EP	1396119	A	10/03/2004
				NO	20030965	A	02/05/2003
				SE	0101846	D	00/00/0000
				TW	576054	B	00/00/0000
				US	20040004084	A	08/01/2004
				US	20040147236	A	29/07/2004

US	20030153323	A1	14/08/2003	EP	1464191	A	06/10/2004
				WO	03058988	A	17/07/2003

WO	2004057810	A2	08/07/2004	US	20040120306	A	24/06/2004

WO	03096617	A2	20/11/2003	DE	20307250	U	15/01/2004
				HK	1054669	A	00/00/0000
				US	20040120284	A	24/06/2004

EP	1361689	A1	12/11/2003	CN	1476267	A	18/02/2004
				JP	2004007654	A	08/01/2004
				JP	2004090002	A	25/03/2004
				KR	2003087882	A	15/11/2003
				US	20040037224	A	26/02/2004